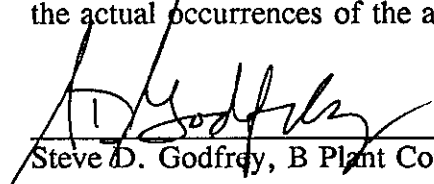


Meeting Minutes

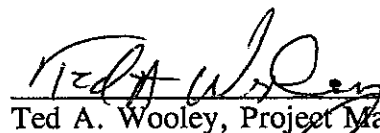
B Plant Project Managers Meeting
MO-414 Conference Room, 200 East Area
Richland, Washington


August 21, 1997
9:00 a.m. - 11:00 a.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above-dated meeting.

 Date: 9/11/97
Steve D. Godfrey, B Plant Contractor Representative, BWHC

 Date: 9/11/97
David T. Evans, Project Manager, DOE-RL

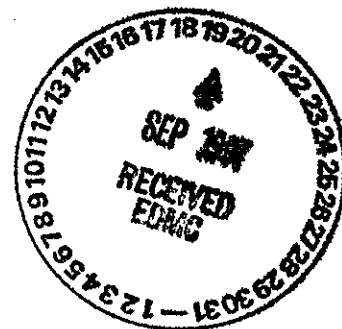
 Date: 9/11/97
Ted A. Wooley, Project Manager, Washington State Department of Ecology

 Date: 9/11/97
George W. Reddick, PHMC Representative, FDH

Cindy Grant, WDOH Representative

Agenda: The agenda for the August 21, 1997 meeting included the following B Plant Facility Transition topics:

- 1) Approve Minutes from Previous Project Managers Meetings
- 2) B Plant Part A Permit Approval
- 3) Miscellaneous Tanks SAP Approval
- 4) Ecology Comments on End Point Document
- 5) M-82 IAMIT Presentation
- 6) Review of FY98 MYWP
- 7) Overview of Design Review Process
- 8) Closure of 276-BA Organic Storage Area
- 9) Set Next Project Managers Meeting



Meeting Minutes

B Plant Project Managers Meeting MO-414 Conference Room, 200 East Area Richland, Washington

August 21, 1997
9:00 a.m. - 11:00 a.m.

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Steve D. Godfrey, B Plant Contractor Representative, BWHC

Date: _____

David T. Evans, Project Manager, DOE-RL


Date: _____

Ted A. Wooley, Project Manager, Washington State Department of Ecology

Date: _____

George W. Reddick, PHMC Representative, FDH

Date: _____


Cindy Grant, WDOH Representative

Date: 9/15/97

Agenda: The agenda for the August 21, 1997 meeting included the following B Plant Facility Transition topics:

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B Plant Project Managers Meeting
MO-414 Conference Room
Richland, Washington

August 21, 1997
9:00 a.m. - 11:00 a.m.

SUMMARY OF DISCUSSION AND COMMITMENTS/AGREEMENTS

Approve Minutes from Previous Project Managers Meetings

Mr. Ted Wooley, Washington State Department of Ecology (Ecology); Mr. Dave Evans, Department of Energy, Richland Operations Office (RL); and Mr. George Reddick, Fluor Daniel Hanford, Inc. (FDH) approved and signed the meeting minutes from the July 17, 1997 B Plant Project Managers Meetings. Mr. Steve Godfrey, B&W Hanford Company (BWHC) was not able to attend this meeting, but will add his signature for approval, on August 22, 1997. The minutes were sent out prior to the meeting for review and all corrections were incorporated prior to approval.

B Plant Part A Permit Approval

Mr. Tom Beam (BWHC) provided a copy of the approval letter (Attachment 1) received from Ecology on the B Plant Part A Permit. The B Plant response to Ecology comments on the Part A Form 3 were also provided to add to the meeting minutes (Attachment 2).

Miscellaneous Tanks Sampling and Analysis Plan (SAP) Approval

Mr. Tom Beam (BWHC) requested a status update on final approval from Ecology for the SAP. Mr. Wooley indicated that he did not anticipate any more problems or questions and would notify Mr. Beam and Mr. Fen Simmons (BWHC) of his approval, with copies to Mr. Evans and Mr. Godfrey, via electronic mail as soon as possible. (ACTION: PMM-BP-97-11).

Ecology Comments on End Point Document

Mr. Steve Giamberardini (BWHC) provided an update on the resolution of Ecology comments to the End Point Document. Most of the comments are informational and require internal review only. No additional Engineering Change Notices have been issued against the document. It is anticipated that a revised End Point Document will be ready by the end of August 1997.

M-82 IAMIT Presentation

Mr. Beam provided a copy of the draft M-82 IAMIT presentation (Attachment 3). Suggestions for additions and corrections were provided by all attendees.

Review of FY98 MYWP

Mr. Wooley requested assistance assessing the costs associated with various facility activities. A copy of the B Plant FY98 MYWP was provided to Mr. Wooley. Mr. Dwayne Speer (BWHC) offered his assistance to further explain any questions Mr. Wooley may have regarding these costs and associated schedules.

Closure of 276-BA Organic Storage Area

Mr. Beam provided an update of the current plan for disposition of the organic tanks at 276-BA (Attachment 4). Redeployment of the tanks, rather than have it remain at B Plant, would be more cost effective. B Plant will pursue possible leads provided during the discussion for transfer.

Overview of Design Review Process

Mr. Paul Roege (BWHC) provided a presentation of the design review process (Attachment 5) used by B Plant/WESF. Mr. Wooley will review the provided information further and will contact Mr. Evans with any further questions.

Washington Department of Health Representative

Ms. Cindy Grant of the Washington Department of Health (WDOH) attended this meeting and will attend future project manager meetings at her discretion based on the agenda items and her interest. She will be signing and approving meeting minutes only for those meetings she attends. She will continue to be on distribution for all meeting minutes.

OPEN OR RECENTLY CLOSED ACTION ITEMS

Action Item	Responsible Person	Description	Completion Date
PMM-BP-97-1	Greg LeBaron-BWHC	Provide Ecology with draft review copy of B Plant Waste Analysis Plan, Rev. 2 when complete.	OPEN
PMM-BP-97-2	Greg LeBaron-BWHC	Provide Ecology with copies of the shipping and waste certification documentation prepared for shipment of the organic waste to DSSI.	OPEN
PMM-BP-97-10	Steve Godfrey-BWHC	Include agenda item for August meeting to provide overview of the design review process.	CLOSED-- 8/21/97
PMM-BP-97-11	Ted Wooley-Ecology	Provide final approval of the Miscellaneous Tanks SAP	OPEN

Only open items and those which have been closed since approval of the last meeting minutes will be listed.

SCHEDULING OF NEXT MEETING

The next B Plant Project Managers Meeting is scheduled for September 11, 1997 to be held in the 200 East Area, MO-414 Conference Room from 9:00 am to 11:00 am.

August 21, 1997 ATTENDEE LIST

NAME	ORGANIZATION	PHONE NUMBER
Tom Beam	BWHC	372-0019
Dave Evans	RL-TPD	373-9278
Steve Giamberardini	BWHC	376-2680
Cindy Grant	WDOH	(206) 464-6206
Pam Laughery	BWHC	372-0102
Greg LeBaron	BWHC	373-1792
George Reddick	FDH	376-2326
Paul Roege	BWHC	372-0443
Fen Simmons	BWHC	372-0413
Dwayne Speer	BWHC	373-1110
Ted Wooley	Ecology	736-3012

Attachment 1

B Plant Project Manager Meeting Minutes--August 21, 1997

B Plant Part A Permit Approval Letter from Ecology



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

August 12, 1997

Mr. James Mecca
U.S. Department of Energy
P.O. Box 550
Richland, WA 99352

Dear Mr. Mecca:

Re: Approval of the B Plant Complex Hanford Facility Dangerous Waste Part A Form 3,
Revision 5

The Washington State Department of Ecology (Ecology) has completed its review of the B Plant Complex Part A Form 3, Revision 5. Previously issued Ecology comments were resolved during a meeting held on August 5, 1997. This meeting included representatives from the U.S. Department of Energy, Ecology and Babcock & Wilcox Hanford Company.

Based on comment resolution Ecology is approving Revision 5 of the B Plant Complex Part A Form 3.

If you have questions or concerns, please contact me at (509) 736-3012.

Sincerely,

A handwritten signature in black ink, appearing to read "Ted A. Wooley", with a long horizontal flourish extending to the right.

Ted A. Wooley, B Plant Project Manager
Nuclear Waste Program

TW:rb

cc: Dave Evans, USDOE
Rick Gonzales, USDOE
Tom Beam, B&WHC
Steve Godfrey, B&WHC



Attachment 2

B Plant Project Manager Meeting Minutes--August 21, 1997

B Plant reponse to Ecology comments on the Part A Form 3

B PLANT RESPONSE TO ECOLOGY COMMENTS ON THE PART A FORM 3

Section, S02/T01, Page 3 bottom paragraph.

1) Comment: Last sentence discusses low-level waste and treatment tanks. Were these tanks presumed to be low-level (mixed) only based on process knowledge, or was additional designation performed using laboratory analysis.

RESPONSE: The identified low-level waste storage and treatment tanks are those which are utilized to manage the routine low level mixed waste generated in the canyon. This waste is then transferred to the Double Shell Tank system for storage. The waste managed in these vessels is designated based on process knowledge. Samples are analyzed on a routine basis to confirm adherence to DST waste acceptance criteria.

Ecology response: this is another area where discussions on "adequate process knowledge" will apply. Until this issue is resolved between USDOE and Ecology, use of process knowledge will be considered an unacceptable response. Meeting DST acceptance criteria does not answer the question of what will be left in place. **This comment was resolved by USDOE and Ecology and closed out at an August 5, 1997 meeting.**

Section III.C., page 4, Description of Process Codes

2) Comment: The third sentence discusses waste acceptance criteria. What criteria is this referring to, and has Ecology reviewed and approved this? Normally a review of this type would be included with the closure plan review but since there isn't going to be a standard closure plan for this facility then review of the WAC should coincide with the approval of the Part form 3.

RESPONSE: The waste acceptance criteria which are referenced are the DST acceptance criteria which B Plant must meet prior to transfer of waste for storage in the DST system. Ecology was involved in the DQO process used to develop waste acceptance criteria for the DST system.

Ecology response: many issues developed through the DST DQO process were never resolved. Description of process codes is a B-Plant waste analysis issue. Ecology does not agree that meeting the receiving facility replaces USDOE's B-Plant WAP responsibilities. **This comment was resolved by USDOE and Ecology and closed out at an August 5, 1997 meeting.**

Section T01, page 4

3) Comment: How was the shell and tube heat exchanger designated? Was the water going through it rad only or was there a potential for mixed waste contamination? It is assumed that the tube banks would be handled the same.

RESPONSE: The low level waste concentrator in Cell 23 is permitted for the treatment of mixed waste with the waste codes shown in the Part A Permit application. The system is considered to be facility equipment which will be designated in accordance with applicable regulations when generated as waste in the future. Past operations of this system managed the low level mixed waste in the canyon.

Ecology response: This issue will be looked at when the pre-closure work plan is submitted.

Section III.C., page 6, B-Plant Complex Vessel Table

4) **Comment:** There is a large discrepancy between the vessel table in the current part A form 3 and the "B Plant Facility Transition Project Scope" dated spread sheet March 1996. Please clarify how the list was generated (i.e, what criteria was used). The contents of the pre-closure work plan should include which vessels could not be cleaned based on ALARA concerns.

RESPONSE: The "B Plant Facility Transition Project Scope" spreadsheet is intended to be a complete list of all tanks and vessels requiring transition/deactivation. In accordance with agreements reached with Ecology during B Plant Transition TPA negotiations and which are documented in the "B Plant Issue Resolution Summary" included in TPA change control package M-82-96-01, this list was screened to determine which tanks/vessels should be added to the Part A Permit. A total of twenty-five additional tanks/vessels were identified as meeting the defined criteria of having processed listed/mixed waste after the date of mixed waste regulation in the State of Washington. Twenty of those 25 vessels are shown in the B Plant Complex Vessel Table. The remaining 5 were added into the description of the low level waste storage and treatment tank system. The pre-closure work plan will include a list of all hazardous materials/substances which remain in the facility following deactivation.

Ecology Response: Ecology will look into the completeness of the list when the pre-closure work plan is issued.

Page 22, 221-B Building Cell 24

5) **Comment:** This picture is one of several that has "low level" in its title. For accuracy shouldn't this be low level mixed? Pictures on pages 24 and 25 may also have this mistake in the titles.

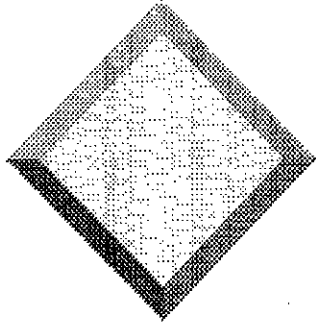
RESPONSE: The waste managed in these tanks is low level mixed waste. The reference to "low level" is intended to maintain consistency with 40-50 years of facility documentation concerning identification of specific tank waste management systems. The permit application describes the waste managed in these systems.

Ecology response: accepted

Attachment 3

B Plant Project Manager Meeting Minutes--August 21, 1997

M-82 IAMIT Presentation



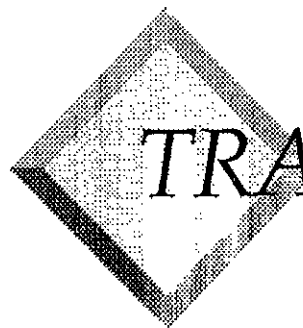
IAMIT MILESTONE STATUS

M-82-00

RL Presenter: D. T. Evans

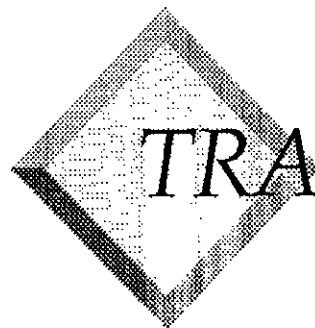
Contractor Milestone Manager: R. E. Heineman, Jr.

RL Division Director: J. E. Mecca



TRANSITION MILESTONES

- ❖ M-82-01 - Submit End Point Criteria for Transition of B Plant - June 1996 (Completed June 1996)
- ❖ M-82-02 - Complete Deactivation of the B Plant 211-B Area - January 1997 (Completed December 1996)
- ❖ M-82-03 - Complete Removal of Organic Solvent Waste from the B Plant Canyon - June 1997 (Completed March 1997)
- ❖ M-82-04 - Submit B Plant Surveillance and Maintenance Plan - June 1997 (Completed June 1997)
- ❖ M-82-05 - Complete Deactivation of the B Plant Aqueous Makeup Area - May 1998 (On Schedule)
- ❖ M-82-06 - Complete Deactivation of the B Plant Liquid Effluents Area - May 1998 (On Schedule)
- ❖ M-82-07 - Document Hazardous Substances/Dangerous Wastes Remaining within B Plant - June 1998 (On Schedule)




TRANSITION MILESTONES (Cont.)

- ❖ M-82-08 - Complete Disposition of Organic Solvent Waste - September 1998 (Ahead of Schedule)
- ❖ M-82-09 - Complete Decoupling of WESF from B Plant - December 1998 (Ahead of Schedule)
- ❖ M-20-21A - Submit a B Plant Preclosure Work Plan to Ecology - March 1999 (Ahead of Schedule)
- ❖ M-82-10 - Complete Deactivation of the B Plant Canyon - September 1999 (Ahead of Schedule)
- ❖ M-82-10-T01 - Complete Isolation/Stabilization of Retired Filters and Provide Operating Canyon Ventilation system for S&M Phase (Project W-059) - September 1999 (Ahead of Schedule)



RL PROGRAM MANAGER'S ASSESSMENT OF CONTRACTOR PERFORMANCE

- ❖ The B Plant/WESF Contractor (FDH/BWHC) has been effectively accomplishing RL Project Milestones on, or ahead of schedule to meet the September 1998 "Breakthrough" goal to deactivate B Plant. This will be accomplished 1 year ahead of the TPA milestone for deactivation.



SIGNIFICANT ACCOMPLISHMENTS AND PROGRESS (*Past 3 mo.*)

- ❖ **M-82-04** - Submit B Plant Surveillance and Maintenance Plan - June 1997
 - Completed 4 days ahead of schedule (June 26, 1997)
 - Submitted to Ecology for review and comment

- ❖ **M-82-06** - Complete Deactivation of the B Plant Liquid Effluents Area - May 1998
 - All Physical Work Completed to Deactivate 207-BA, 221-BA, 221-BG, and 216-B-64



SIGNIFICANT ACCOMPLISHMENTS AND PROGRESS *(Past 3 mo.) (Cont.)*

- ❖ **M-82-08** - Complete Disposition of Organic Solvent Waste - September 1998
 - DSSI Contract Re-Negotiated to Accept B Plant Organic Waste

- ❖ **M-82-09** - Complete Decoupling of WESF from B Plant - December 1998
 - Completed Decoupling of WESF Liquid Effluent Control System
 - Completed Decoupling of WESF Solid Waste System



SIGNIFICANT PLANNED ACTIONS

(Next 6 mo.)

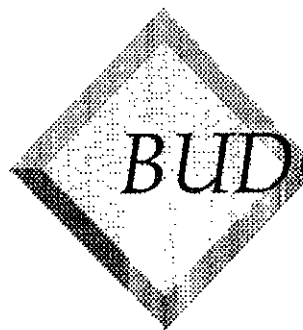
- ❖ **M-82-05, M-82-06** - Complete B Plant AMU (April 1998) & Liquid Effluent Areas (Dec. 1997) Deactivation
- ❖ **M-82-08** - Complete Disposition of Organic Solvent Waste to DSSI Incinerator (Sept. 1997)
- ❖ **M-82-10-T01** - Complete Design & Initiate Construction of Project W-059 (Sept. 1997)



SIGNIFICANT PLANNED ACTIONS

(Next 6 Mo.) (Cont.)

- ❖ **M-20-21A** - Complete Draft of B Plant Pre-Closure Work Plan & Submit to Ecology (March 1998)
- ❖ Disposition Ecology Comments on End Point Document and Issue Revision 2
- ❖ Receive and Disposition Ecology Comments on S&M Plan



BUDGET/COST STATUS

		<u>FY97</u>	<u>FY98*</u>
B Plant Surveillance/Maintenance**	BCWS	\$9851.7K	
	ACWP	\$10146.3K	
	BAC	\$12433.6K	\$8175.5K
B Plant Deactivation (Including W-059 & WESF Hot Cell/EIX Work)	BCWS	\$9077.9K	
	ACWP	\$9710.7K	
	BAC	\$11756.3K	\$15171.7K
*FY98 Budget Not Yet Approved			
**Does Not Include Fee			



❖ **General**

- None

❖ **Submit B Plant Surveillance and Maintenance Plan**

- None

❖ **Complete Deactivation of the B Plant Liquid Effluents Area**

- None

❖ **Complete Disposition of Organic Solvent Waste**

- None

❖ **Complete Decoupling of WESF From B Plant**

- None



NON-TPA REGULATORY ISSUES/POTENTIAL IMPACTS TO TPA

❖ None

Attachment 4

B Plant Project Manager Meeting Minutes--August 21, 1997

Current Plan for Disposition of the Organic Tanks at 276-BA

DISPOSITION OF ORGANIC TANKS AT 276-BA

- **CURRENT PLANS - TRANSFER OF THE ORGANIC FROM THE STORAGE TANK TO THE DSSI TANKER WILL NOT BE FOLLOWED BY A FLUSH**
 - **HEEL REMAINING IN THE TANK WILL ONLY BE 1-2 LITERS**
 - **FLUSH LIMITED TO MATERIALS SOLUBLE IN THE ORGANIC TO AVOID CHANGING THE CHARACTERISTICS OF THE WASTE**
 - **FUNDING IS NOT AVAILABLE NOW FOR A LARGE FLUSH**
 - **TANKER WILL ONLY HAVE SPACE FOR A 1000 GAL FLUSH**
- **REDEPLOYMENT OF TANKS WILL BE PURSUED**
- **TANKS WILL BE TURNED OVER TO BHI IF THEY CANNOT BE REDEPLOYED PRIOR TO THE END OF THE B PLANT DEACTIVATION**

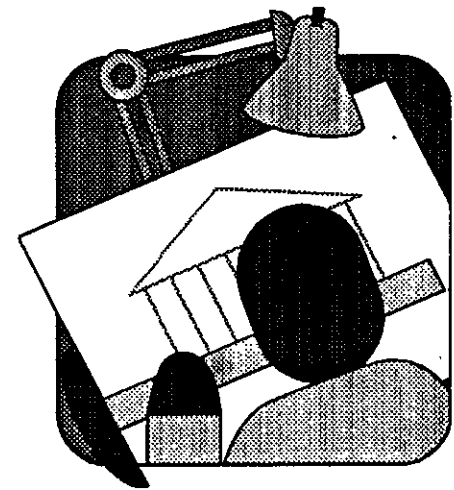
Attachment 5

B Plant Project Manager Meeting Minutes--August 21, 1997

Overview of Design Review Process

Engineering Design Review Processes

*B Plant Deactivation Project
Waste Encapsulation and Storage Facility*



B Plant/WESF
B&W Hanford Company

Design Review Processes

- Interdisciplinary Review
- Design Verification
- Management Review
- Oversight Review

Interdisciplinary Review

- Ensure coordinated review by engineers with appropriate expertise
- Examples:
 - electrical review of HVAC system
 - structural review of lighting system installation
- Design Agent responsible to ensure performance

B Plant/WESF

B&W Hanford Company

Design Verification

- Validates design methodology and accuracy
- Level of rigor based upon graded approach (safety or other impact of design)
- Hanford (PHMC) procedures recognize 5 methods:
 - Independent review
 - Alternate calculations
 - Qualification testing
 - Formal design review
 - Informal review.

B Plant/WESF

B&W Hanford Company

Management Review

- Ensure appropriate engineering and administrative processes employed
 - proper reviews and approvals
 - appropriate resources applied
 - proper application of graded approach

B Plant/WESF

B&W Hanford Company

Oversight Review

- Ensure other aspects, including quality, safety and environmental aspects are adequately addressed
- Internal (PHMC) requirements identified in HNF-CM-3-5
- DOE and External requirements determined by agreements (e.g., TPA)

Summary

- B Plant/WESF Engineering documents are reviewed for technical accuracy, visibility to appropriate experts, and proper application of graded approach.
- Design reviews are governed by procedures, and implemented by responsible engineers and managers.

DISTRIBUTION:

T. G. Beam	BWHC	S4-66*
R. M. Carosino	RL	A4-52*
C. E. Clark	RL	A5-15*
D. T. Evans	RL	R3-79
S. D. Godfrey	BWHC	S4-49
R. X. Gonzalez	RL	R3-79*
R. E. Heineman	BWHC	S4-49*
A. M. Hopkins	FDH	N1-26*
M. N. Jarayssi	Ecology	B5-18*
G. J. LeBaron	BWHC	S6-15*
E. M. Mattlin	RL	A5-15*
J. E. Mecca	RL	R3-79*
M. D. Olsen	BWHC	H5-31*
G. W. Reddick	FDH	N1-26
C. D. Sorensen	BWHC	R3-56*
M. J. Stephenson	FDH	H6-22*
T. A. Wooley	Ecology	B5-18

*Distribution via cc:mail w/o Attachments

ADMINISTRATIVE RECORD [B Plant TS-2-3]: EDMC H6-08

Washington State Department of Ecology Nuclear and Mixed Waste Hanford Files,
P.O. Box 47600, Olympia, Washington 98504-7600

Environmental Protection Agency Region 10, Seattle, Washington 98101, Mail Stop HW-070
(Records Center)

Cindy Grant, Washington State Department of Health, 1511 3rd Avenue, Suite 700, Seattle,
Washington 98101

Please send comments on distribution list to Steve Godfrey, BWHC (S4-49),
(509) 372-0501, or Greg LeBaron, BWHC (S6-15), (509) 373-1792.